

**SPECIFICATION AMENDMENTS:**

Please replace the paragraph from page 1, line 23 through page 2, line 2, with the following amended paragraph:

Sloped surfaces of the land, which coincide with side surfaces of the pregroove 1, are ~~for-med~~ formed with a slight wobble in the form of a sine wave in-phase with each other as shown in FIG. 1B. The wobble signal indicates that the wobble component has been subjected to FM modulation. In the wobble signal, time axis information which indicates the position on the optical disc 10, and a recommended value of the power of the laser beam optimum for recording are encoded.

Please replace the paragraph on page 5, lines 18 through 27, with the following amended paragraph:

In addition, the present invention provides a wobble signal generating apparatus of an optical-electronic system. A first operation unit for generating a reference signal in ~~responsive~~ response to a first input signal and a second input signal that are derived from a plurality of light signals reflected from an optical

storage medium is provided. In addition, the plurality of reflected light signals is used for generating the reference signal even when the optical-electronic system is recording data onto the optical storage medium. A processing unit processes the reference signal to generate the wobble signal.

Please replace the paragraph from page 10, line 23 through page 11, line 2, with the following amended paragraph:

FIG. 7 shows a wobble signal generating circuit of the optical disc apparatus according to the second embodiment of the present invention. Four light receiving signals A to D are respectively generated by the four light receiving elements PD1 to PD4. (i.e., signals A to D are light signals derived from reflected light beam from an optical disc currently loaded by the optical disc apparatus). The light receiving signals A and D and light receiving signals ~~[[Band]]~~ B and C are respectively provided to the second operation circuit 50 and the third operation circuit 52.

Please replace the paragraph on page 11, lines 1 through 29, with the following amended paragraph:

Similarly, the third operation circuit 52 comprises a third operational amplifier 53 having a grounding non-inverting terminal, an inverting terminal, and an output terminal coupled to the ~~[[forth]]~~ fourth operation circuit 54. The light receiving signal B and C come across resistors R1 respectively to couple with the non-inverting terminal of the third operational amplifier 53 and form their amplitude summation (i.e., (B+C) signal) at the non-inverting terminal of the third operational amplifier 53 as shown in Fig.7.

Please replace the "ABSTRACT" as shown on the following page:

A wobble signal generating apparatus of an optical-electronic system. A first operation unit for generating a reference signal in ~~responsive~~ response to a first input signal and a second input signal that are derived from a plurality of light signals reflected from an optical storage medium is provided. The plurality of reflected light signals is used for generating the reference signal even when the optical-electronic system is recording data onto the optical storage medium. A processing unit processes the reference signal to generate the wobble signal.